AMERICAN UNIVERSITY OF BEIRUT, OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

LIBRARY
APR 30 1959

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

September 1958

Printed at the American Press.

SEPTEMBER 1958

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.7	56.8	56.5	56.7	31.2	25.0	29.2	30.8	26.0	28.7
2	57.1	57.3	57.5	57.3	31.4	24.3	27.2	30.8	26.5	28.2
3	57.8	57.2	57.9	57.6	31.8	24.2	29.0	31.3	26.7	29.0
4	56.6	55.8	54.6	55.7	31.7	26.3	28.6	31.4	27.0	29.0
5	55.1	55.5	56.7	55.8	31.7	24.7	28.8	30.8	26.2	28.6
6	57.8	58.2	59.1	58.4	30.5	24.3	28.5	29.2	25.5	27.7
7	60.9	60.7	61.2	60.9	30.0	23.6	26.5	30.0	24.8	27.1
8	60.6	60.0	59.4	60.0	30.0	22.4	25.2	29.2	24.5	26.3
9	58.2	56.8	56.8	57.3	30.2	23.8	27.5	26.4	25.0	26.3
10	56.1	55.6	56.8	56.2	30.2	22.5	27.5	29.5	24.5	27.2
11	58.1	57.6	57.7	57.8	31.2	23.0	27.5	30.8	24.2	27.5
12	58.2	57.3	57.1	57.5	31.3	25.0	28 6	30.8	26.7	28.7
13	58.3	58.3	58.8	58.5	30.7	23.6	29.0	29.8	26.0	28.3
14	58.8	58.5	59.0	58.8	29.6	24.0	27.1	29.5	24.6	27.1
15	59.6	59.2	59.1	59.3	29.7	23.1	26.5	29.0	25.0	26.8
16	59.4	58.8	59.1	59.1	29.5	23.3	27.7	28.2	24.6	26.8
17	59.4	58.5	59.2	59.0	29.7	20.7	26.5	27.2	24.8	26.2
18	58.8	58.5	59.1	58.8	27.4	19.6	25.4	27.0	23.4	25.3
19	59.4	58.6	58.9	59.0	29.1	23.0	26.4	28.7	24.9	26.7
20	59.0	58.6	58.9	58.8	30.9	23.0	26.8	29.6	25.7	27.4
21	59.8	59.3	59.4	59.5	30.5	22.2	27.2	30.4	24.6	27.4
22	59.3	58.5	58.4	58.7	30.0	22.1	26.2	30.0	24.3	26.8
23	58.5	57.5	58.0	58.0	29.5	23.0	26.1	29.3	25.3	26.9
24	58.6	57.3	57.3	57.7	30.5	23.6	27.0	29.8	25.8	27.5
25	57.9	56.9	57.7	57.5	30.1	23.8	27.0	29.9	26.4	27.8
26	58.2	57.8	58.3	58.1	30.0	23.0	26.7	29.7	25.0	27.1
27	58.9	58.4	59.0	58.8	29.9	23.0	26.1	29.7	24.5	26.8
28	59.0	58.5	58.9	58.8	28.4	22.2	25.6	25.7	24.4	25.2
29	58.9	58.6	59.0	58.8	28.7	21.4	25.9	28.4	25.0	26.4
30	59.7	59.7	59.8	59.7	28.5	21.9	24.6	27.8	24.0	25.5
31										
	58.49	58.01	58.31	58.27	30.13	23.19	27.06	29.36	25.20	27.21

Barometer, range for month 761.2 mm. — 754.6 mm.
„ 71-yr. average for month 758.74mm.
Thermometer, range for month 31.8°C — 19.6°C
„ 82-yr. average for month 26.4°C
Rain total for month 14.55 mm.
„ 82-yr average for month 6.7 mm.
„ Total, Sept. 1st. to end of month 14.55 mm.
„ 82-yr average. Sept. 1st. to end of month 6.65 mm.

SEPTEMBER 1958

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	19.3	19.5	22.0	20.3	47	44	65	52	10.5	95	
2	21.7	22.9	24.0	22.9	60	52	69	60	10.8	119	
3	24.8	26.9	26.1	25.9	63	59	75	66	9.2	132	
4	25.6	26.0	27.5	26.4	66	56	77	66	9.5	211	
5	24.4	25.9	27.9	26.1	62	59	81	67	8.8	190	
6	20.8	21.1	20.1	20.7	51	52	62	55	9.1	177	
7	20.1	19.0	18.9	19.3	58	45	61	55	6.7	153	
8	18.3	17.9	19.3	18.5	57	44	63	55	8.2	101	
9	17.6	21.4	22.1	20.4	47	62	70	60	7.1	188	
10	21.2	22.6	24.9	22.9	57	54	81	64	9.1	111	
11	20.7	22.9	22.3	22.0	56	52	74	61	9.6	111	
12	22.1	24.4	26.2	24.2	57	55	75	62	9.6	282	
13	21.9	24.1	21.0	22.3	55	58	63	59	9.0	143	
14	22.3	24.1	22.0	22.8	62	58	72	64	7.8	56	
15	21.6	20.8	22.8	21.7	62	52	72	62	9.2	92	
16	22.2	20.5	19.7	20.8	60	54	64	59	9.4	179	
17	19.7	20.7	20.0	20.1	56	57	64	59	8.8	137	0.20
18	21.8	22.9	23.0	22.6	68	64	79	70	6.7	56	14.35
19	23.8	24.7	22.7	23.7	68	63	72	68	9.5	64	
20	22.1	25.4	25.6	24.4	63	61	79	68	9.7	71	
21	23.2	24.7	24.4	24.1	65	56	79	67	9.8	35	
22	22.5	22.5	23.5	22.8	66	53	78	66	9.8	42	
23	23.0	25.8	24.8	24.5	67	63	77	69	9.6	61	
24	24.4	21.1	26.7	24.1	68	54	78	67	9.6	87	
25	25.3	25.3	25.3	25.3	71	60	73	68	8.4	53	
26	22.9	25.6	22.8	23.8	66	61	72	66	9.1	50	
27	24.4	24.0	24.0	24.1	72	58	78	69	9.4	60	
28	23.0	21.5	20.6	21.7	71	64	68	68	6.5	82	
29	18.4	17.6	18.2	18.1	55	45	57	52	8.7	87	
30	17.9	21.2	23 0	20.7	58	57	78	64	9.2	53	
31											
	21.89	22.77	23.05	22.57	61.5	55.7	72.0	62.9	8.50	109.27	0.48

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

SEPTEMBER 1958
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu-st	0	0	1.3	2sw	2sw	1w	light	
2	7cu-st	0	0	2.3	2sw	3w	1w	,,	
3	0	5st	0	1.7	2sw	2w	1w	,,	
4	0	0	0	0.0	3sw	2sw	1w	,,	
5	7cu-st	3st	1st-cu	3.7	3sw	3sw	1w	,,	
6	1cu	9st	8cu-st	6.0	2sw	3sw	2w	light	Tr.a.m
7	8st-cu	2st	6cu-st	5.3	1w	2nw	2w	,,	
8	9cu-st	1cu	4cu-st	4.7	1w	2w	1w	,,	
9	3cu-st	10cu-st	7cu-st	6.7	2sw	2w	2w	,,	
10	8cu-ni	6cu-st	3cu-st	5.7	2sw	3sw	2sw	,,	
11	0	3cu-st	0	1.0	2sw	2w	1w	light	
12	0	0	0	0.0	3ne	3ne	2ne	,,	
13	2cu	0	0	0.7	2ne	2ne	2ne	,,	
14	0	4st	0	1.3	1se	1nw	1e	calm	
15	3cu-st	1cu-st	0	1.3	2sw	2sw	1sw	light	
16	0	5st	0	1.7	2sw	2sw	1w	light	
17	8cu-st	9cu-in	4st-cu	7.0	2sw	2sw	1w	,,	
18	10cu-ni	1cu	0	3.7	2sw	2w	1w	,,	W.a.m
19	0	0	0	0.0	2e	1nw	1w	,,	
20	0	0	0	0.0	2ne	2ne	1ne	,,	D.a.m
21	0	0	0	0.0	2ne	2ne	1ne	calm	
22	0	0	0	0.0	1sw	1nw	1sw	light	
23	0	0	0	0.0	1n	1n	2ne	,,	
24	0	0	0	0.0	1ne	2ne	1n	,,	
25	2cu-ni	0	10cu-ni	4.0	2sw	2nw	2nw	,,	
26	1cu	2ci-cu	0	1.0	1nw	1w	1n	calm	
27	0	0	3ci-st	1.0	2sw	1nw	1nw	light	
28	5ci-st	9cu-st	10cu-st	8.0	2sw	3nw	2nw	,,	
29	10st-cu	6cu-st	4st-cu	6.7	1sw	2w	1sw	,,	
30	0	0	0	0.0	2ne	2ne	1nw	,,	
31									
	mean			2.49					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	6	1	1	0	18	2	1	0	30
14:30	1	6	0	0	0	8	8	7	0	30
20:30	2	5	0	1	0	4	14	4	0	30
Total	4	17	1	2	0	30	24	12	0	90

Number of days with rain 2, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 1.13
Time of reading minus 2 hours equals G.C.T